

Title (en)

Apparatus and method for predictive coding and decoding

Title (de)

Vorrichtung und Verfahren zur Prädiktionskodierung und -dekodierung

Title (fr)

Appareil et procédé pour le codage et le décodage prédictifs

Publication

EP 0840516 B1 20060913 (EN)

Application

EP 97308449 A 19971023

Priority

JP 30740896 A 19961031

Abstract (en)

[origin: EP0840516A2] An inter-block predictive coding/decoding apparatus sequentially encodes/decodes blocks of a picture. A block distant from a coded block by a predetermined distance is independently coded. An interpolative predictive signal is produced from the coded block and the independently coded block with respect to each pixel of a block to be predicted that is interposed between the coded block and the independently coded block. The interpolative predictive signal is subtracted from each pixel signal of the block to be predicted to obtain a predictive residual signal. The predictive residual signal is coded. A block distant from a decoded block by the predetermined distance is independently decoded. The decoded block is obtained by decoding the independently coded block and the coded predictive residual signal. An interpolative predictive signal is produced from the decoded block and the independently decoded block with respect to each pixel of a block to be predicted that is interposed between the decoded block and the independently decoded block. A predictive residual signal of the block to be decoded is decoded. And, the interpolative predictive signal is added to the predictive residual signal. <IMAGE>

IPC 8 full level

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